

REMARKS

The applicant has amended claim 18 to clarify the subject matter that the applicant considers to be the invention. Claim 18, which is independent in form, has language that distinguishes the present invention over the cited art. In particular, the preamble states:

A method of simulating a missile by means of a missile simulator during testing of an aircraft system *which includes a weapon system for controlling missiles with which the aircraft may be equipped*, the method comprising:

In addition, the claim recites:

- ii) receiving the target seeker command position at the weapon system;*
- iii) simulating behavior of the missile in a computer model to generate an actual value signal *adapted to the weapon system*;*
- iv) generating in the weapon system a trouble signal from a deviation between the target seeker command position and the actual value signal;*

This language, particularly that which is shown in italics, is supported in the specification at page 3, beginning at line 30 and in Fig. 1. In particular, the present invention requires the use of a weapon system for controlling missiles with which the aircraft may be equipped and further requires that particular steps be performed in the weapon system. By contrast, the Pace article does not disclose or suggest the use of a weapon system for controlling missiles during the testing described by Pace. Rather, in Pace, a missile simulation receives and transmits signals to other simulated elements, such as the closed-loop anechoic chamber results and the apparent target algorithm shown in Fig. 2, page 127, and the simulation engine shown in Fig. 3, page 128.

Thus, the present invention according to claim 18, and according to claims 19-21, is not anticipated by Pace.

Regarding claim 22, the combination of Pace and Phillips still does not disclose or suggest the use of a weapon system for controlling missiles with which the aircraft may be equipped, nor does this combination disclose or suggest that particular steps be performed in the weapon system.

Thus, the present invention according to claim 22 is not unpatentable over Pace in view of Phillips.

Reconsideration and allowance are requested.

The undersigned authorizes the Commissioner to charge insufficient fees and credit overpayment associated with this communication to Deposit Account No. 19-5127, 19391.0011.

Respectfully submitted,



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